

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicant(s): Walke *et al.*

Prior Group Art Unit: 1652

Application No.: To be assigned  
Parent Application Serial Number 09/775,686

Prior Application Examiner:  
Christian Fronda

Filed: Concurrently Herewith

Attorney Docket No.: LEX-0466-USA

Title: Novel Human Enzymes and Polynucleotides  
Encoding the Same

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**REQUEST TO MAKE PRIOR ART FROM PREVIOUS APPLICATION OF RECORD**

Commissioner for Patents  
Alexandria, VA 22313-1450

Sir:

The present paper constitutes Applicants' compliance with their duty of disclosure under 37 C.F.R. § 1.56. Please make all prior art of record in parent application Serial No. 09/775,686, filed February 2, 2001, of record in the present case, including that cited by the Office and Applicants. As a courtesy, copies of the Form PTO-1449s from the prior application are included herewith as **Exhibit A**.

Respectfully submitted,

December 9, 2003

Date

   
Lance K. Ishimoto Reg. No. 41,866

Attorney for Applicants

LEXICON GENETICS INCORPORATED  
8800 Technology Forest Place  
The Woodlands, TX 77381  
(281) 863-3333

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<p>Substitute for form 1449A/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p><i>(use as many sheets as necessary)</i></p>				<b>Complete if Known</b>	
				Application Number	09/775,686
				Filing Date	February 2, 2001
				First Named Inventor	Walke, D. Wade
				Group Art Unit	1645
				Examiner Name	To Be Assigned
				Attorney Docket Number	LEX-0130-USA
Sheet	1	of	3		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	AA	4,215,051		Schroeder et al	07/29/80	
	AB	4,376,110		David et al	03/08/83	
	AC	4,594,595		Struckman	06/10/86	
	AD	4,631,211		Houghten	12/23/86	
	AE	4,689,405		Frank et al	08/25/87	
	AF	4,713,326		Dattagupta et al	12/15/87	
	AG	4,946,778		Ladner et al	08/07/90	
	AH	5,252,743		Barrett et al	10/12/93	
	AI	5,424,186		Fodor et al	06/13/95	
	AJ	5,445,934		Fodor et al	08/29/95	
	AK	5,459,127		Felgner et al	10/17/95	
	AL	5,556,752		Lockhart et al	09/17/96	
	AM	5,700,637		Southern	12/23/97	
	AN	5,744,305		Fodor et al	04/28/98	
	AO	5,837,458		Minshull et al	11/17/98	
	AP	5,877,397		Lonberg et al	03/02/99	
	AQ	5,948,767		Scheule et al.	09/07/99	
	AR	6,001,607		Tang et al.	12/14/99	
	AS	6,075,181		Kucherlapati et al	06/13/00	
	AT	6,110,490		Thierry	08/29/00	
	AU	6,150,584		Kucherlapati et al.	11/21/00	

[illegible]

Examiner Signature		Date Considered	
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Substitute for form 1449B/PTO			<b>Complete if Known</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			Application Number	09/775,686	
			Filing Date	February 2, 2001	
			First Named Inventor	Walke, D. Wade	
			Group Art Unit	1645	
			Examiner Name	To Be Assigned	
Sheet	2	of	3	Attorney Docket Number	LEX-0130-USA

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>	
	AV	Bird et al, 1988, "Single-Chain Antigen-Binding Proteins", Science 242:423-426.		
	AW	Bitter et al, 1987, "Expression and Secretion Vectors for Yeast", Methods in Enzymology 153:516-544.		
	AX	Colbere-Garapin et al, 1981, "A New Dominant Hybrid Selective Marker for Higher Eukaryotic Cells", J. Mol. Biol. 150:1-14.		
	AY	Gautier et al, 1987, "α-DNA IV:α-anomeric and β-anomeric tetrathymidylates covalently linked to intercalating oxazolopyridocarbazole. Synthesis, physicochemical properties and poly (rA) binding", Nucleic Acids Research 15(16):6625-6641.		
	AZ	Greenspan et al, 1993, "Idiotypes: structure and immunogenicity", FASEB Journal 7:437-444.		
	BA	Huse et al, 1989, "Generation of a Large Combinatorial Library of the Immunoglobulin Repertoire in Phage Lambda", Science 246:1275-1281.		
	BB	Huston et al, 1988, "Protein engineering of antibody binding sites: Recovery of specific activity in an anti-digoxin single-chain Fv analogue produced in Escherichia coli", Proc. Natl. Acad. Sci. USA 85:5879-5883.		
	BC	Inoue et al, 1987, "Sequence-dependent hydrolysis of RNA using modified oligonucleotide splints and R Nase H", FEBS Letters 215(2):327-330.		
	BD	Inoue et al, 1987, "Synthesis and hybridization studies on two complementary nona(2'-O-methyl)ribonucleotides", Nucleic Acids Research 15(15):6131-6149.		
	BE	Inouye & Inouye, 1985, "Up-promoter mutations in the lpp gene of Escherichia coli", Nucleic Acids Research 13(9):3101-3110.		
	BF	Janknecht et al, 1991, "Rapid and efficient purification of native histidine-tagged protein expressed by recombinant vaccinia virus", PNAS 88:8972-8976.		
	BG	Kohler & Milstein, 1975, "Continuous cultures of fused cells secreting antibody of predefined specificity", Nature 256:495-497.		
	BH	Logan et al, 1984, "Adenovirus tripartite leader sequence enhances translation of mRNAs late after infection", Proc. Natl. Acad. Sci. USA 81:3655-3659.		
	BI	Lowy et al, 1980, "Isolation of Transforming DNA: Cloning the Hamster aprt Gene", Cell 22:817-823.		
	BJ	Morrison et al, 1984, "Chimeric human antibody molecules: Mouse antigen-binding domains with human constant region domains", Proc. Natl. Acad. Sci. USA 81:6851-6855.		
	BK	Mulligan & Berg, 1981, "Selection for animal cells that express the Escherichia coli gene coding for xanthine-guanine phosphoribosyltransferase", Proc. Natl. Acad. Sci. USA 78(4):2072-2076.		
	BL	Neuberger et al, 1984, "Recombinant antibodies possessing novel effector functions", Nature 312:604-608.		
	BM	Nisonoff, 1991, "Idiotypes: Concepts and Applications", J. of Immunology 147:2429-2438.		
	BN	O'Hare et al, 1981, "Transformation of mouse fibroblasts to methotrexate resistance by a recombinant plasmid expressing a prokaryotic dihydrofolate reductase", Proc. Natl. Acad. Sci. USA 78(3):1527-1531.		
	BO	Ruther et al, 1983, "Easy identification of cDNA clones", EMBO Journal 2(10):1791-1794.		
	BP	Santerre et al, 1984, "Expression of prokaryotic genes for hygromycin B and G418 resistance as dominant-selection markers in mouse L cells", Gene 30:147-156.		
	BQ	Sarin et al, 1988, "Inhibition of acquired immunodeficiency syndrome virus by oligodeoxynucleoside methylphosphonates", Proc. Natl. Acad. Sci. USA 85:7448-7451.		
	BR	Smith et al, 1983, "Molecular Engineering of the Autographa californica Nuclear Polyhedrosis Virus Genome: Deletion Mutations within the Polyhedrin Gene", J. Virol. 46(2):584-593.		
	BS	Stein et al, 1988, "Physicochemical properties of phosphorothioate oligodeoxynucleotides", Nucleic Acids Research 16(8):3209-3221.		
	BT	Szybalska & Szybalski, 1962, "Genetics of Human Cell Lines, IV. DNA-Mediated Heritable Transformation of a Biochemical Trait", Proc. Natl. Acad. Sci. USA 48:2026-2034.		

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	BU	Takeda et al, 1985, "Construction of chimaeric processed immunoglobulin genes containing mouse variable and human constant region sequences", Nature 314:452-454.	
	BV	Van Heeke et al, 1989, "Expression of Human Asparagine Synthetase in Escherichia coli", J. Biol. Chemistry 264(10):5503-5509.	
	BW	Ward et al, 1989, "Binding activities of a repertoire of single immunoglobulin variable domains secreted from Escherichia coli", Nature 341:544-546.	
	BX	Wigler et al, 1977, "Transfer of Purified Herpes Virus Thymidine Kinase Gene to Cultured Mouse Cells", Cell 11:223-232	
	BY	Wigler et al, 1980, "Transformation of mammalian cells with an amplifiable dominant-acting gene", Proc. Natl. Acad. Sci. USA 77(6):3567-3570.	

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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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		Application Number	09/775,686		
		Filing Date	February 2, 2001		
		First Named Inventor	Walke		
		Group Art Unit	1645		
		Examiner Name	To Be Assigned		
She	(use as many sheets as necessary) 1	of	1	Attorney Docket Number	LEX-0130-USA

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	BZ		WO 91 11513 A		ORION YHTYMAE OY	08/08/1991		

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	CA	HATTORI ET AL.: "Homo sapiens gemnomic DNA, chromosome 11q13, clone: RP11-807H22" EMBL SEQUENCE DATABASE, 3 December 1999, XP002172248 HEIDELBERG DE, Ac AP000812	
	CB	NCI-CGAP: "on98a03.s1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE: 1564684 3' similar to SW: COMT_PIG Z99028 CATECHOL-O-METHYLTRANSFERASE, SOLUBLE FORM" EMBL SEQUENCE DATABASE, 27 April 1998, XP002172249. HEIDELBERG DE, Ac AA928744	

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